PART NO. KMCRB-E-00

HITACHI

Reliable solutions

Service Manual

ZX250W-3

Wheeled Material Handler

ZX250W-3 WHEELED MATERIAL HANDLER SERVICE MANUAL

Hitachi Construction Machinery Co., Ltd.

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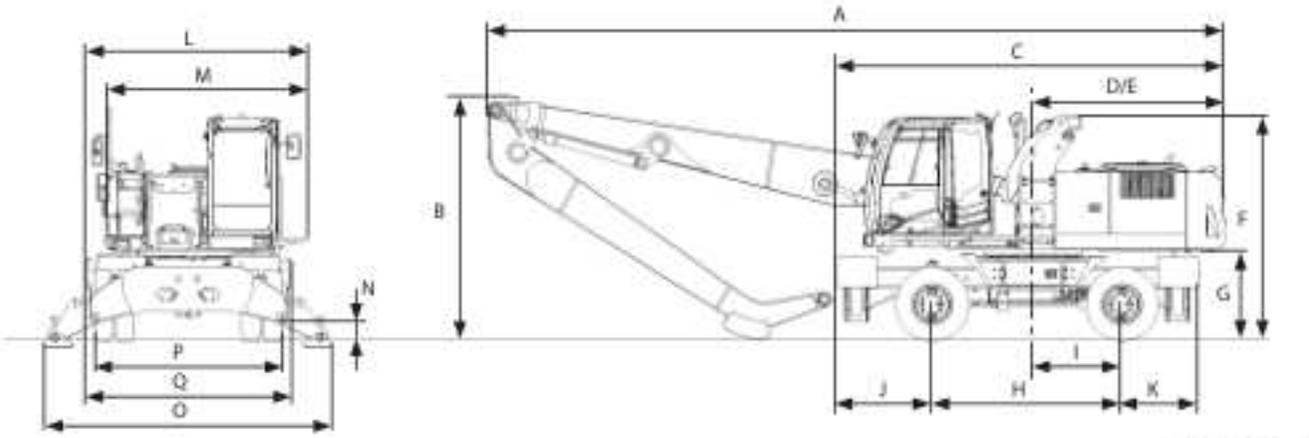
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Specifications

Machine with Hanging Type Attachment



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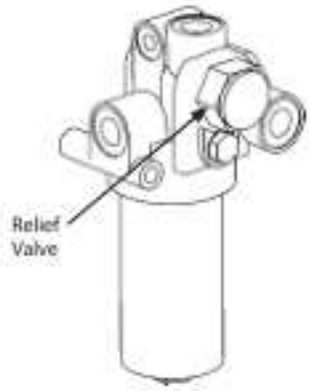
Model			ZX250W-3
Boom		mm (ft-in)	7500 (24' 7")
Arm		mm (ft-in)	5500 (18' 1")
Operating Weight		kg (lb)	28000 (61730)
Engine			ISUZU AH-4HK1XYSA-02
Engine Power	SAEJ 1349 net		122 kW/2000 min^{-1}
	ISO 9249 net		(166 PS/2000 rpm)
	EEC 80/1269 net		
A: Overall Length		mm (ft-in)	10770 (35' 4")
B: Overall Height of Boom		mm (ft-in)	3660 (12' 0")
C: Overall Length of Base Machine		mm (ft-in)	5630 (18' 6")
D: Rear End Swing Radius		mm (ft-in)	2800 (9' 2")
E: Rear End Length		mm (ft-in)	2800 (9' 2")
F: Overall Height of Base Machine		mm (ft-in)	3200 (10' 6")
G: Counterweight Clearance (Lower End)		mm (ft-in)	1240 (4' 1")
H: Wheelbase		mm (ft-in)	2750 (9' 0")
I: Swing-Center to Rear Axle		mm (ft-in)	1300 (4' 3")
J: Front Axle to Front of Chassis		mm (ft-in)	1380 (4' 6")
K: Rear Axle to Rear of Chassis		mm (ft-in)	1110 (3' 8")
L: Overall Width, Width of Upperstructure excluding Rearview Mirrors		mm (ft-in)	3230 (10' 7")
M: Overall Width of Upperstructure excluding Rearview Mirrors		mm (ft-in)	2930 (9' 7")
N: Minimum Ground Clearance		mm (ft-in)	240 (9.4")
O: Overall Width of Outrigger Spread		mm (ft-in)	4210 (13' 1")
P: Overall Width Tire		mm (ft-in)	2730 (8' 11")
Q: Overall Width of Outrigger Retract		mm (ft-in)	2990 (9' 10")
Tire Size		-	10.00-20
Swing Speed		mm^{-1}	3.7
Travel Speed (Fast / Slow / Creeper)		km/h	20.0/5.5/2.8
Gradeability		Degree (%)	25 (47)

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Primary Pilot Pressure Adjustment Procedure

Adjustment:

Adjust the relief valve set pressure if necessary.



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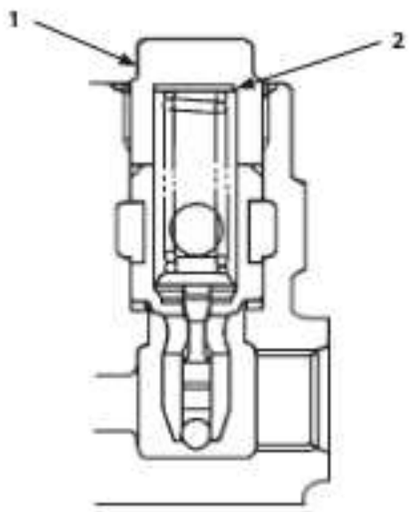
1. Remove plug (1) from the relief valve.

   : 22 mm

2. Install the estimated number of shims (2).
3. After adjustment, tighten plug (1).

   : 25^{+2} N·m ($2.5^{+0.2}$ kgf·m, $18.4^{+1.5}$ lbf·ft)

4. After adjustment, check the set pressure.



T111-06-04-004

NOTE: Standard Change in Pressure (Reference)

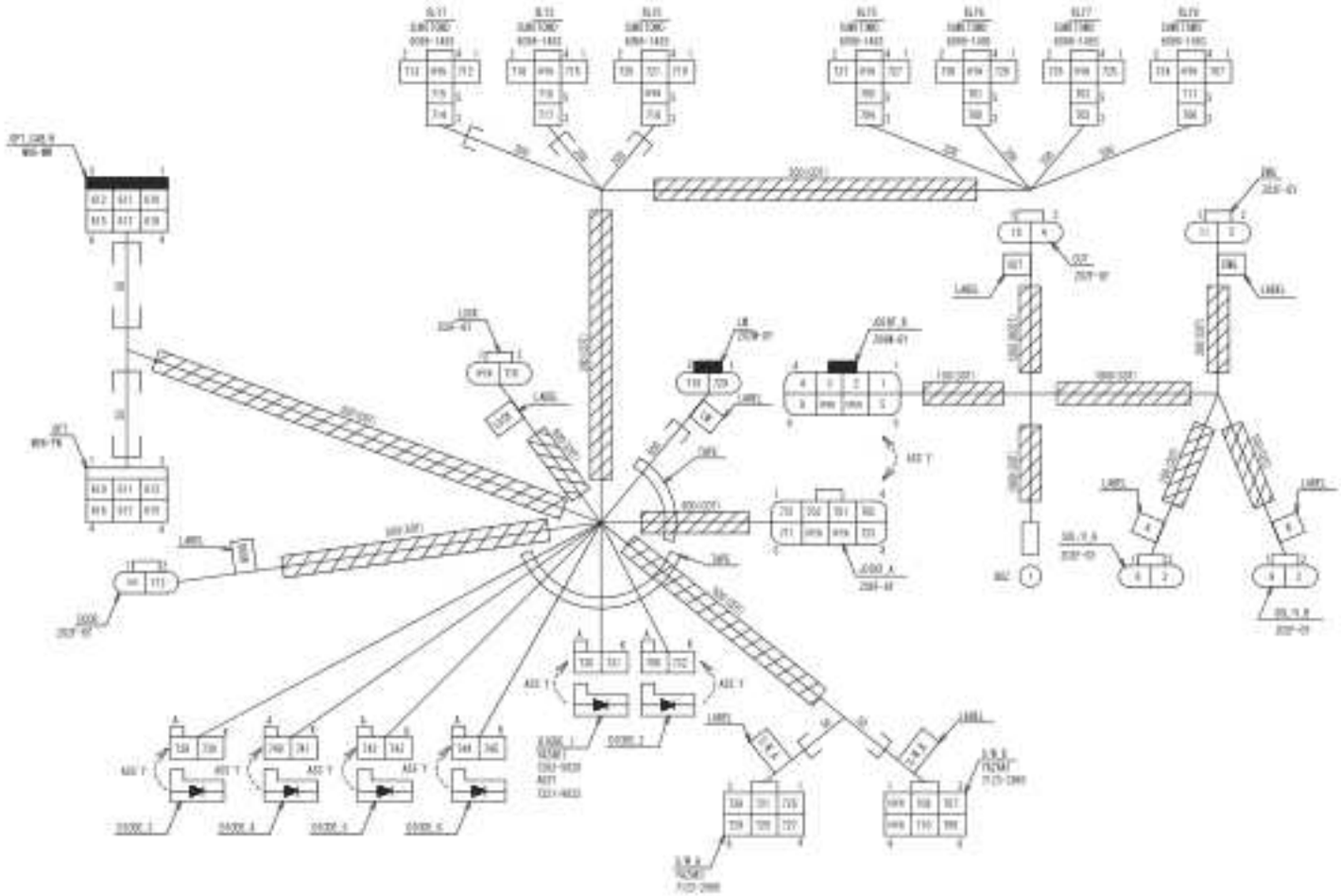
Shim Thickness (mm)	Change in pressure		
	kPa	(kgf/cm²)	(psi)
0.25	78	(0.8)	(11)
0.5	157	(1.6)	(23)
1.0	304	(3.1)	(44)

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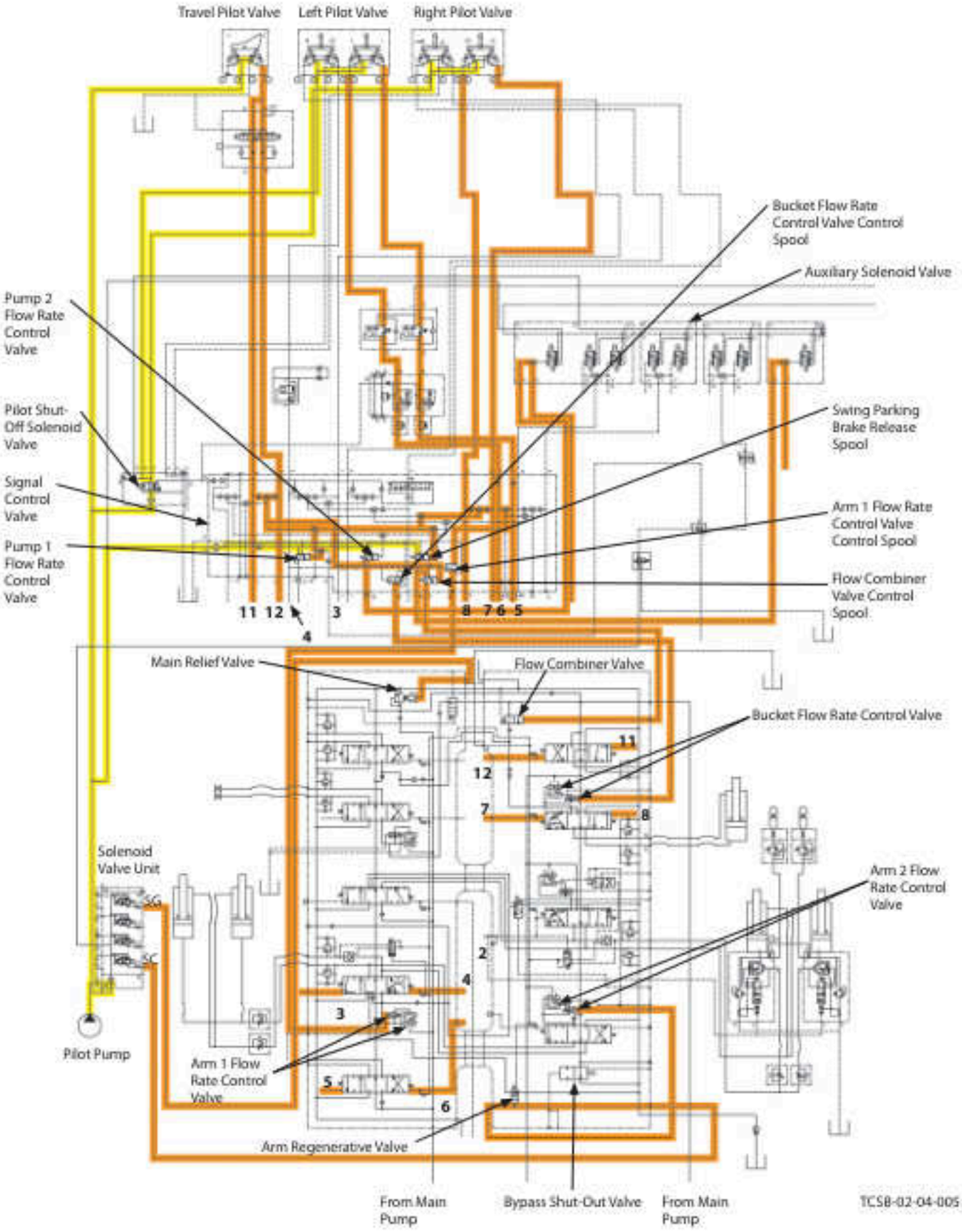
Attach to Vol.No : KMCRB-E-00, KMCSB-E-00

ZX250W-3/360W-3 LIFT CAB HARNESS 1

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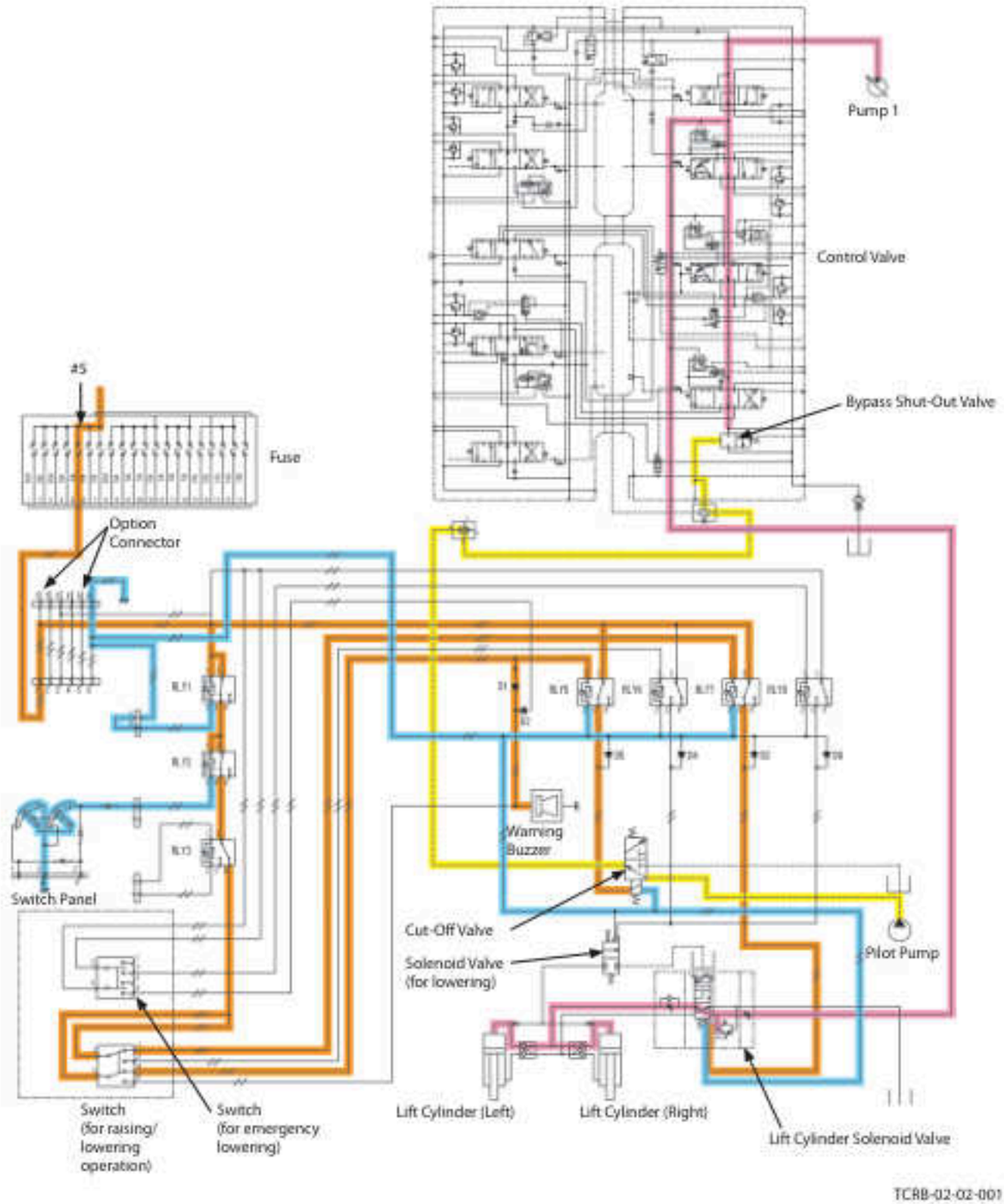


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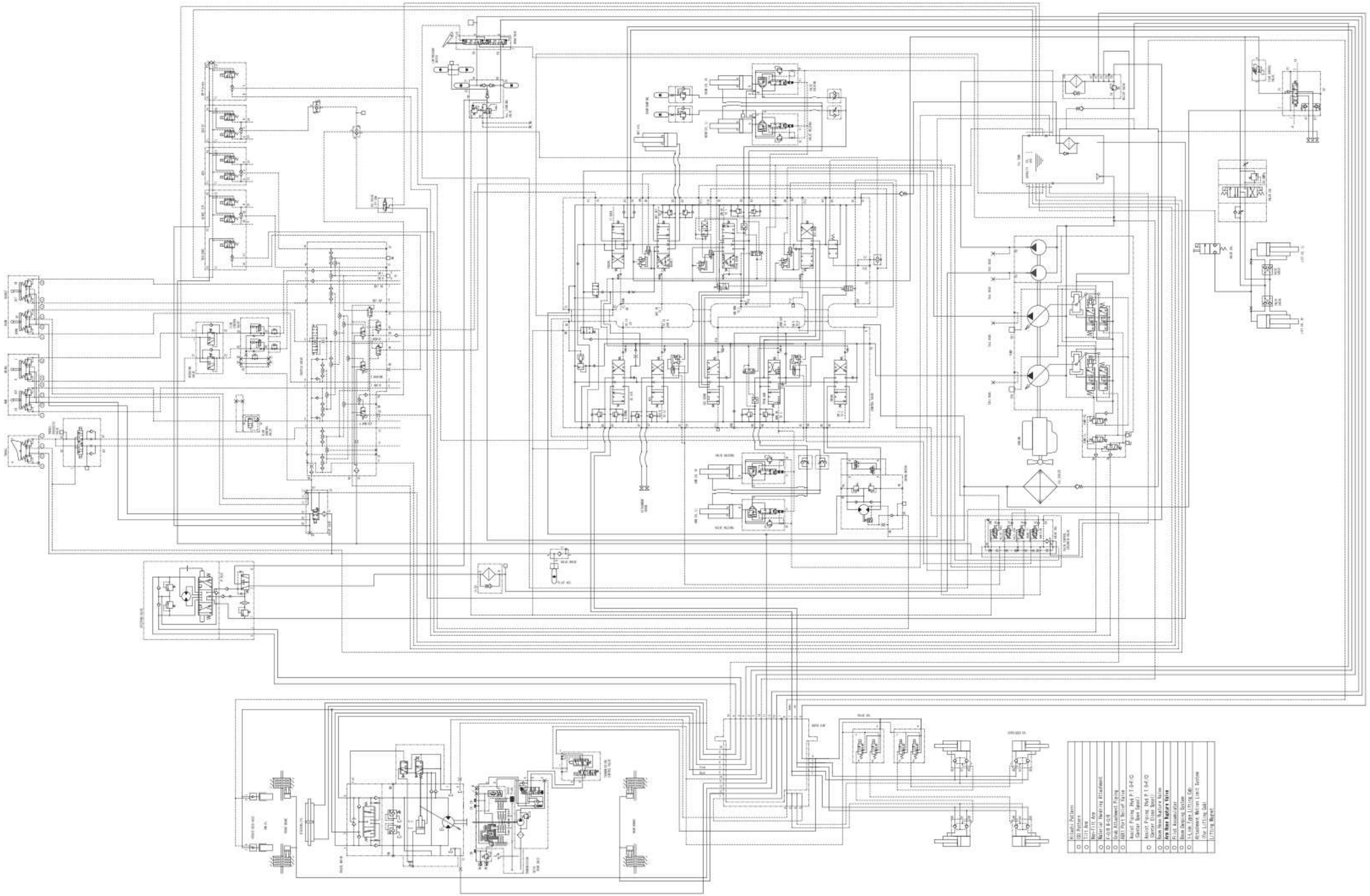
Cab Raise Control



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ZX250W-3 HYDRAULIC CIRCUIT DIAGRAM (Machine with Hanging Type Attachment)

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